

FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary) Date Submitted: September 17, 2003		ATTY DOCKET NO. 03500.014806.1	APPLICATION NO. <u>10/663,752</u> Unassigned (Divisional of Appl. 09/665,983, filed September 20, 2000)
APPLICANT <p style="text-align: center;">Tohru DEN, et al.</p>		FILING DATE <p style="text-align: center;">September 17, 2003</p>	
GROUP <p style="text-align: center;">1753</p>			

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
ADD	4,927,721	05/1990	Gratzel, et al.	/	/		
ADD	5,362,514	11/1994	Flatz, et al.	/	/		
ADD	5,441,827	08/1995	Gratzel, et al.	/	/		
ADD	5,885,368	03/1999	Lupo, et al.	/	/		
ADD	6,043,428	03/2000	Han, et al.	/	/		
ADD	6,133,061	10/2000	Sonoda	/	/		
ADD	5,171,480	12/1992	Yoshinaka, et al.	/	/		
ADD	5,350,644	09/1994	Graetzel, et al.	/	/		
ADD	4,155,781	05/1979	Diepers	/	/		
ADD	5,454,880	10/1995	Sariciftci, et al.	/	/		

FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		
ADD 9-237641	09/1997	Japan	/	/	/		
ADD 10-112337	04/1998	Japan	/	/	/		
ADD WO 91/16719 A2	10/1991	PCT	/	/	/		
ADD 1087446 A2	03/2001	Europe	/	/	/		
ADD 0364597	04/1990	Europe	/	/	/		
ADD 2000-203998 A	07/2000	Japan	/	/	/		

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)	
ADD	M.K. Nazeeruddin, et al., "Conversion of Light to Electricity by cis-X ₂ Bis(2,2'-bipyridyl-4,4'-dicarboxylate)ruthenium(II) Charge-Transfer Sensitizers (X=Cl ⁻ , Br ⁻ , I ⁻ , CN ⁻ , and SCN ⁻) on Nanocrystalline TiO ₂ Electrodes," J. Am. Chem. Soc., vol. 115, no. 14, pp. 6382-6390 (1993). (month unknown)
ADD	H. Tsubomura, et al., "Dy sensitised zinc oxide:aqueous electrolyte:platinum photocell", Nature, vol. 261, pp. 402-403 (1976). (month unknown)

EXAMINER <u>Alm Dind</u>	DATE CONSIDERED <u>4/16/04</u>
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		APPLICANT Tohru DEN, et al.	
		FILING DATE September 17, 2003	GROUP 1753

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
ADD	5,986,206	11/1999	Kambe, et al.	—	—		
ADD	6,217,843	04/2001	Homyonfer, et al.	—	—		
ADD	6,270,571	08/2001	Iwasaki, et al.	—	—		
ADD	3,783,325	01/1974	Shelton	—	—		
ADD	4,163,918	08/1979	Shelton	—	—		
ADD	4,345,181	08/1982	Shelton	—	—		
ADD	4,379,250	04/1983	Hosoki, et al.	—	—		
ADD	5,066,475	11/1991	Yoshinaka, et al.	—	—		
ADD	5,164,632	11/1992	Yoshida, et al.	—	—		

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT	
ADD	0351110	01/1990	Europe	—	—	—	
ADD	0364964	04/1990	Europe	—	—	—	
ADD	WO 95/07543	03/1995	PCT	—	—	—	
ADD	WO 97/07607	07/1997	PCT	—	—	—	
ADD	WO 98/48456	10/1998	PCT	—	—	—	
ADD	19602595	07/1997	Germany	—	—	—	

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)	
ADD	Christian Coddet et al., "Metallography: Growth of Crichites During Oxidation of Titanium or of the Alloy TA6V4 By Steam at High Temperature," C.R. Acad. Sc. Paris, t. 281, Series C, pp. 507-510 (September 29, 1975).
ADD	Routkevitch et al., "Nonlithographic Nano-Wire Arrays: Fabrication, Physics, and Device Applications," IEEE Trans. Elec. Dev. 43, No. 10, Oct. 1996, pp. 1646-1658.
EXAMINER <u>Almond</u> DATE CONSIDERED <u>4/16/04</u>	

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		FILING DATE September 17, 2003	GROUP 1753	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
ADD	5,581,091	12/1996	Moskovits, et al.	—	—		
ADD	5,825,122	10/1998	Givargizov, et al.	—	—		
ADD	5,872,422	02/1999	Xu, et al.	—	—		
ADD	5,967,873	10/1999	Rabinowitz	—	—		
ADD	6,113,451	09/2000	Hobart, et al.	—	—		
ADD	6,228,502	05/2001	Saitoh, et al.	—	—		
ADD	6,270,571	08/2001	Iwasaki, et al.	—	—		
ADD	5,279,809	01/1994	Kitano, et al.	—	—		

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT	
ADD	56-120518	09/1981	Japan	—	—	—	
ADD	50-6597	01/1975	Japan	—	—	—	

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)	
ADD	Hoyer, et al., "Electrodeposited nanoporous TiO ₂ film by a two-step replication process from anodic porous alumina," E. Letters, 15 (1996) 1228-1230. (month Unknown)
ADD	Routkevitch, et al. "Porous Anodic Alumina Templates For Advances Nanofabrication," Electrochem Soc. Proc. 97-7, (1997) 350-357. (month Unknown)
ADD	Masuda, et al., "Crystal Growth, Dielectric and Polarization Reversal Properties of Bi ₄ Ti ₃ O ₁₂ Single Crystal," Jpn. J. Appl. Phys. 31, 9B (1992) 3108-3112. (month Unknown)
ADD	Mawlawi, et al., "Nonowires formed in anodic oxide nanotemplates," J. Mat. Res. 9, 4 (1994) 1014-1018. (month Unknown)
ADD	Harada, et al. "Preparation and Mechanical Properties of AC8A Aluminum Alloy Composite Reinforced with Potassium Titanate Whisker"; J. Jap. Inst. Met. 58, 1 (1994) p 69-77. (month Unknown)
ADD	Huber, et al., "Nanowire Array Composites," Sci. 263 (1994) 800-802. (month Unknown)
ADD	Furneaux, et al., "The Formation of controlled-porosity membranes from anodically oxidized aluminum," Nature 337 (1989) 147-149. (month Unknown)
ADD	Masuda, et al., "Preparation of Microporous polymer films by using anodic porous alumina as template," Surface Techniques, 43, 8 (1992) 66-67. (month Unknown)
ADD	Masuda, Solid State Physics, 31, 5 (1996) 493-499. (month Unknown)

EXAMINER <i>alms</i>	DATE CONSIDERED <i>11/15/04</i>
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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			APPLICANT Tohru DEN, et al.			
			FILING DATE September 17, 2003	GROUP 1753		

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
ADD	5,084,365	01/1982	Gratzel, et al.	/	—		
ADD	2002/0037249 A1	03/2002	Konakahara, et al.	/	—		
ADD	2002/0121851 A1	09/2002	Yasui, et al.	—	—		
ADD	2002/0139688 A1	10/2002	Okura, et al.	—	—		
ADD	6,525,461	02/2003	Iwasaki, et al.	/	—		
ADD	6,596,078	07/2003	Konakahara, et al.	/	—		

FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		
ADD 60-5529	02/1985	Japan	/	—	—		
ADD 1-252600	10/1989	Japan	—	—	—		
ADD 6-89651	03/1994	Japan	—	—	—		
ADD 8-239300	09/1996	Japan	/	—	—		
ADD 10-316428	12/1998	Japan	/	—	—		
ADD 901175 A2	03/1999	Europe	—	—	—		
ADD 913850 A1	05/1999	Europe	—	—	—		

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)	
ADD	Iwanaga, et al., "A Note on the Orientation of ZnO Ribbon Crystal," Japan J. Appl. Phys., Vol. 11, (1972) pp. 121-122. (month Unknown)
ADD	Kitano, et al., "Growth of Large Tetrapod-Like ZnO Crystals," Jpn. J. Crystl. Growth, Vol. 102 (1990) 965-973. (month Unknown)
ADD	Satoh, et al., "Epitaxial Growth of Zinc Oxide Whiskers by Chemical-Vapor Deposition Under Atmospheric Pressure," Jpn. J. Appl. Phys. Vol. 38 (1999) L 586-L589. (month Unknown)
ADD	Pan, et al., "Nanobelts of Semiconducting Oxides," Science, Vol. 291 (3-2001) 1947-1949.

EXAMINER <u>Alan D. Dind</u>	DATE CONSIDERED <u>4/16/04</u>
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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
ADD		57-160174	10/1982	Japan	—	—	—
ADD		WO 98/39250	09/1998	PCT	—	—	—

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)	
ADD	O'Regan, et al., "A low cost, high efficiency solar cell based on dye-sensitized colloidal TiO2 films," Nature, vol. 353, pages 737-740, October 24, 1991. Metal, (Feb. 1994) 89-93.

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